

PATENT ABSTRACTS OF JAPAN

(11) Publication number : 2000-053677
 (43) Date of publication of application : 22.02.2000

(51) Int.CI. C07D333/10
 C07D275/02
 C07D277/22
 C07D279/20
 C07D333/54
 C07D339/08
 C07D409/14
 C09K 11/06
 H05B 33/14
 H05B 33/22

(21) Application number : 10-225680 (71) Applicant : IDEMITSU KOSAN CO LTD

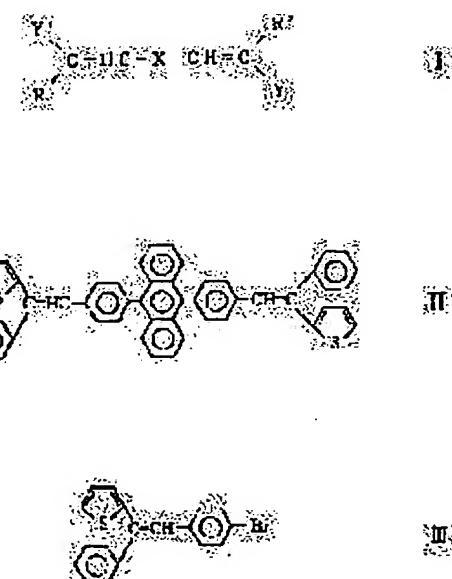
(22) Date of filing : 10.08.1998 (72) Inventor : AZUMA HISAHIRO
 HOSOKAWA CHISHIO
 KUSUMOTO TADASHI

(54) AROMATIC HYDROCARBON COMPOUND AND ORGANIC ELECTROLUMINESCENCE ELEMENT BY USING THE SAME

(57) Abstract:

PROBLEM TO BE SOLVED: To obtain a new compound of a sulfur atom-containing aromatic hydrocarbon compound, and useful as a constituent material of an organic electroluminescence element having high thermal stability, high luminescent characteristics and a low drive voltage.

SOLUTION: This new compound is the one of formula I [X is a 21-60C arylene (substituted with a 1-30C alkyl or the like) or a polyarylene; Y1 and Y2 are each a 4-30C monovalent group comprising a heterocycle



having a sulfur atom, or a sulfur atom-containing polyarylene of an aggregate of arylenes including the before heterocycle; R1 and R2 are each a 6-30C aryl (substituted with one or more kinds of H, a 1-30C alkyl and the like), a polyaryl of the aggregate of the before group, or the like], e.g. a compound of formula II. The compound of formula I is obtained, for example, by forming a compound of formula III into a Grignard reagent, and coupling the obtained Grignard reagent with a compound of the formula Br-X-Br (e.g. 9,10-dibromoanthracene).

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office